**Project Management Exercises Using Excel**

**GANTT Charts**

**Question 2**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Predecessors** | **Duration (weeks)** |
| A | - | 30 |
| B | A | 60 |
| C | A | 10 |
| D | B | 40 |
| E | C | 60 |
| F | C | 50 |
| G | D,E,F | 10 |
| H | G | 10 |
| I | H | 10 |

**Setting up the Worksheet**

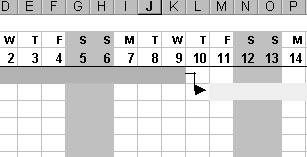
Gantt chart performa file has been set up to create Gantt charts. Download this file.

In the weeks sheet of the file enter in the tasks/activities, duration and predecessors.

Fill in the rows using a color.

**Predecessors**

Predecessors can be shown by using the drawing tools to insert lines and arrows.



**Milestones**

Milestones need to be put into the chart by using a diamond from the windings font (W in Windings will produce a small diamond that will then need to be made 2 or 3 points bigger than the default font size you are using.)



The slack time for this project is C (5 weeks), F(1 week) and E (3 weeks).

The critical path is A-B-D-G-H-I.

**PERT CHART**

**30 weeks 60 weeks 50 weeks**

**10 weeks**

**10 weeks 10 10**

10

The total time of the project is 160 weeks.

The critical path is A-B-D-G-H-I.

The slack time for the project is C (5weeks), F (1 week), E (3 weeks).